

Form 9180-6  
(March 1977)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE

SUBDIVISIONAL LINES OF THE TOWNSHIP

AND A PORTION OF THE SUBDIVISION LINES

WITHIN SECTION 28

AND

THE SURVEY OF A PORTION OF THE SUBDIVISION LINES

WITHIN SECTION 28

FRACTIONAL TOWNSHIP 8 SOUTH, RANGE 24 WEST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

Ray Harpin Cadastral Surveyor

Under special instructions dated January 7, 1972, approved January 20, 1972,

Supplemental Special Instructions, dated June 12, 1978, Approved

June 23, 1978, which provided for the surveys included under ~~XXXXXX~~/Group

Number 543, and assignment instructions dated January 7, 1972.

Survey commenced April 18, 1972

Survey completed April 21, 1972

1A

BOOK 5 103

# INDEX DIAGRAM

Township 8 SOUTH, Range 24 WEST,

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Survey of a portion of the subdivision lines within section 28 - Beginning on page . . . 6

Township 8 South Range 24 West  
Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines of the township and a portion of the subdivision lines within section 28, and the survey of a portion of the subdivision lines within section 28, Fractional Township 8 South, Range 24 West, of the Gila and Salt River Meridian, Arizona.

History of Previous Surveys: The exterior boundaries and subdivisional lines of this fractional township were originally surveyed by Theodore F. White, U. S. Deputy Surveyor, in 1874, as shown upon the official plat examined and approved April 18, 1874. The exterior boundaries of fractional section 33 were resurveyed and an area of accretion was surveyed by Arthur W. Brown and William H. Thorn, U. S. Cadastral Engineers, from 1918 through 1920, as shown upon the official plat examined and approved August 27, 1920. The dependent resurvey of a portion of the south boundary and a portion of the subdivisional lines, and the survey of an area of accretion were made by Robert C. Yundt, Cadastral Surveyor and Leonard W. Murphy, Surveying Technician, in 1961, as shown upon the official plat accepted, January 10, 1962.

The dependent resurveys and survey were executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947 Edition, and the Special Instructions dated January 7, 1972, and Supplemental Special Instructions dated June 12, 1978.

The direction of all lines of these surveys were determined from direct altitude observations on the sun for azimuth, and these directions refer to the true meridian. The lines were carried forward by normal transit traverse. Distances are expressed in chains.

The geographic position of the 1/4 section corner of sections 27 and 28, determined by scaling from a U. S. Geological Survey Quadrangle Map, 7 1/2 minute series "Yuma West Ariz. - Calif., 1965," is as follows: Latitude  $32^{\circ} 42.4' N.$ , and Longitude  $114^{\circ} 43.1' W.$  The mean magnetic declination is  $14^{\circ}$  East.

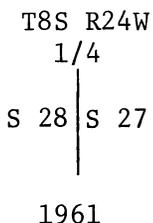
Dependent Resurvey of a Portion of the  
Subdivisional Lines  
Township 8 South, Range 24 West  
Gila and Salt River Meridian, Arizona

Restoring the Survey Executed by  
Robert C. Yundt and Leonard W. Murphy  
in 1961

Dependent Resurvey of a Portion of the  
 Subdivisional Lines  
 Township 8 South, Range 24 West  
 Gila and Salt River Meridian, Arizona

CHAINS

Beginning at the 1/4 sec. cor. of secs. 27 and 28, which is monumented with an iron post, 2½ ins. in diam., with regulation brass cap 10 ins. below the surface of the ground, mkd.



substantiated by:

A cross (+) chiseled on a concrete culvert, bears East, 19.2 lks. distant, mkd. R P 12.6 FT +.

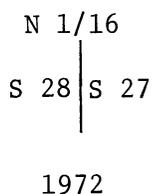
A cross (+) chiseled on a concrete culvert, bears South, 20.8 lks. distant, mkd. R P 13.7 FT +.

N. 0° 15' E., between secs. 27 and 28

Over nearly level land, along a roadway.

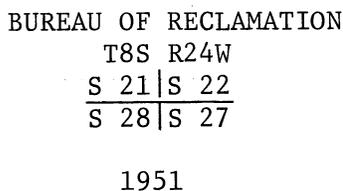
19.70 The point for the north 1/16 sec. cor. of secs. 27 and 28

Set an iron post, 28 ins. long, 2½ ins. in diam., with brass cap 11 ins. below the surface of the roadway, mkd.



There are no suitable accessories nor locations available for reference monuments.

39.40 The corner of secs. 21, 22, 27, and 28 is marked with an iron pipe, 2 ins. in diam., with brass cap 12 ins. below the surface of the roadway, mkd.



substantiated by:

An electric transmission line pole, bears S. 77° 00' E., 60.9 lks. distant, scribed R P 40.2 FT.

An electric transmission line pole, bears S. 86° 00' W., 59.5 lks. distant, scribed R P 39.3 FT.

Dependent Resurvey of a Portion of the  
 Subdivisional Lines  
 Township 8 South, Range 24 West  
 Gila and Salt River Meridian, Arizona

CHAINS

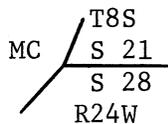
The above corner marker was accepted and described in the official field-note record of the dependent resurvey by Robert C. Yundt and Leonard W. Murphy in 1961.

Discontinue the regular order of survey at this corner.

The Reestablishment of the 1961 Meanders of the  
 Left Bank of the Colorado River, Through Section 28

The recorded courses of the meanders of the left bank of the Colorado River, were calculated between two known (hereinafter described) corners. The meanders were retraced; the residual or closing errors were ascertained and the recorded courses were calculated and adjusted to a closing, by the broken boundary method, adopting new courses to the nearest minute and lengths to the nearest link, as follows:

The meander corner of secs. 21 and 28, on the left bank of the Colorado River, is monumented with an iron post, 2½ ins. in diam. firmly set, projecting 7 ins. above the surface of the ground, with regulation brass cap mkd.



1961

S. 42° 48' W.

7.28 Adjusted position for Angle Point No. 1, Sec. 28. I did not monument.

S. 37° 43' W.

2.09 Intersect the north and south center line of the north-east quarter, the point for the Special Meander Corner of section 28. I did not monument.

13.53 Adjusted position for Angle Point No. 2, sec. 28. I did not monument.

S. 25° 04' W.

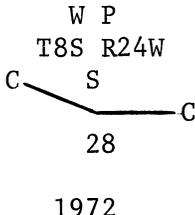
Dependent Resurvey of a Portion of the  
 Subdivisional Lines  
 Township 8 South, Range 24 West  
 Gila and Salt River Meridian, Arizona

CHAINS	
3.96	Intersect the east and west center line of the northeast quarter, the point for the Special Meander Corner of section 28. I did not monument.
18.94	Adjusted position for Angle Point No. 3, Sec. 28. I did not monument.
5.24	<p>The Special Meander Corner of section 28, located on the left bank of the Colorado River and at the point of intersection with the established east and west center line of section 28, is monumented with an iron post, 2½ ins. in diam., firmly set, projecting 9 ins. above the surface of the ground, with regulation brass cap mkd.</p> <div data-bbox="750 997 943 1185" style="text-align: center;"> <p>SMC C S 28 1961</p> </div> <p>Discontinue the dependent resurvey of the meanders of the left bank of the Colorado River at this corner.</p>
<p>Dependent Resurvey of a Portion              of the Subdivision Lines              Within Section 28              Township 8 South, Range 24 West              Gila and Salt River Meridian, Arizona</p>	
19.77	<p>From the 1/4 sec. cor. of secs. 27 and 28, heretofore described.</p> <p>N. 89° 37' W., on the east and west center line of sec. 28.</p> <p>Over nearly level land, along the south side of an irrigation ditch, 20 lks. wide, 6 ft. deep.</p> <p>The point for the center-east 1/16 sec. cor. of sec. 28.</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., with brass cap 5 ins. below the surface of the ground, mkd.</p> <div data-bbox="781 2220 915 2346" style="text-align: center;"> <p>C E 1/16              S 28              1972</p> </div>

Dependent Resurvey of a Portion  
of the Subdivision Lines  
Within Section 28  
Township 8 South, Range 24 West  
Gila and Salt River Meridian, Arizona

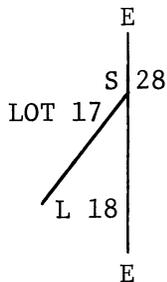
CHAINS		
	There are no suitable accessories nor locations available for reference monuments.	
23.45	The point for the corner of lots 18 and 19, section 28	
	Set an iron post, 28 ins. long, 2½ ins. in diam., with brass cap 5 ins. below the surface of the ground, mkd.	
	$\begin{array}{c} \text{LOT 18} / \text{LOT 19} \\ \text{C} \text{-----} \text{C} \\ \text{S 28} \end{array}$	
	1972	
	There are no suitable accessories nor locations available for reference monuments.	
25.09	The point for the corner of lots 17 and 18, section 28	
	Set an iron post, 28 ins. long, 2½ ins. in diam., with brass cap 5 ins. below the surface of the ground, mkd.	
	$\begin{array}{c} \text{LOT 17} / \text{LOT 18} \\ \text{C} \text{-----} \text{C} \\ \text{S 28} \end{array}$	
	1972	
	There are no suitable accessories nor locations available for reference monuments.	
25.45	Eastern edge of Cooper Lateral, flows S. 23° W.	
25.90	Western edge of the above lateral.	
26.45	Center line of the Southern Pacific Railroad, bears N. 22° 50' E., and S. 22° 50' W.	
26.73	Center line of the Yuma Valley Levee, bears parallel to the above railroad.	
28.67	Eastern edge of a concrete lined lateral, bears parallel to the above railroad and flows to the southwest.	
29.22	Western edge of the above lateral	
30.005	The point for the corner of lots 16 and 17, section 28	
	Set an iron post, 28 ins. long, 2½ ins. in diam., 25 ins. in the ground, with brass cap mkd.	
	$\begin{array}{c} \text{LOT 16} / \text{LOT 17} \\ \text{C} \text{-----} \text{C} \\ \text{S 28} \end{array}$	
	1972	
	There are no suitable accessories nor locations available for reference monuments.	
30.70	Decend over slight west slope.	

Dependent Resurvey of a Portion  
of the Subdivision Lines  
Within Section 28  
Township 8 South, Range 24 West  
Gila and Salt River Meridian, Arizona

CHAINS	
33.59	<p>The witness point of sec. 28, is monumented with an iron post, 28 ins. long, 2½ ins. in diam., of the 1961 survey, loosely set, without the brass cap.</p> <p>At the corner point</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;">  <p>W P T8S R24W C S C 28 1972</p> </div> <p>deposit the iron post monument alongside the iron post.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>Thence,</p> <p>N. 70° 00' W., continue on the east and west center line of section 28</p>
3.04	<p>The special Meander corner of sec. 28, heretofore described.</p> <p>Discontinue the dependent resurvey at this corner.</p> <hr/> <div style="text-align: center;"> <p>Survey of a Portion of the Subdivision Lines Within Section 28 Township 8 South, Range 24 West Gila and Salt River Meridian, Arizona</p> </div> <hr/>
	<p>From the center-east 1/16 sec. cor. of sec. 28, heretofore described.</p> <p>N. 0° 15' E., on the north and south center line of the northeast quarter of sec. 28 on a bearing parallel to the east boundary of the section.</p> <p>Over nearly level land.</p>
8.88	<p>The point for the corner of lots 18 and 19, section 28. I did not monument this corner point.</p>
12.81	<p>The point for the corner of lots 17 and 18, section 28.</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., with brass cap 5 ins. below the surface of the ground, mkd.</p>

Survey of a Portion of the Subdivision Lines  
 Within Section 28  
 Township 8 South, Range 24 West  
 Gila and Salt River Meridian, Arizona

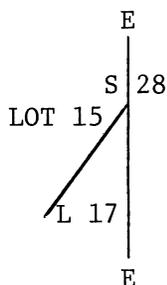
CHAINS



1972

There are no suitable accessories nor locations available for reference monuments.

- 13.60 Eastern edge of Cooper Lateral, flows S. 23° W.
- 14.40 Western edge of the above lateral.
- 15.86 Center line of the Southern Pacific Railroad, bears N. 24° 26' E., and S. 24° 26' W.
- 16.50 Center line of the Yuma Valley Levee, bears parallel to the above railroad.
- 19.63 Intersect the east and west center line of the northeast quarter, the point for the northeast 1/16 sec. cor. of sec. 28. I did not monument this corner point.
- 20.90 Eastern edge of a concrete lined lateral, bears parallel to the above railroad and flows to the southwest.
- 22.15 Western edge of the above lateral
- 23.93 The point for the corner of lots 15 and 17, section 28  
 Set an iron post, 28 ins. long, 2½ ins. in diam., 23 ins. in the ground, with brass cap mkd.

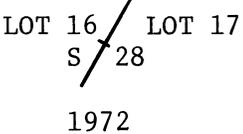


1972

- 32.25 Intersect the reestablished (1961) left bank of the Colorado River, the point for the Special Meander Corner of section 28, heretofore described.

From the north 1/16 sec. cor. of secs. 27 and 28, heretofore described.

Survey of a Portion of the Subdivision Lines  
 Within Section 28  
 Township 8 South, Range 24 West  
 Gila and Salt River Meridian, Arizona

CHAINS	
	<p>N. 89° 48.5' W., on the east and west center line of the northeast quarter of section 28 on a mean bearing between the north boundary of the section and the east and west center line of the section.</p>
19.77	<p>Intersect the north and south center line of the northeast quarter, the point for the northeast 1/16 sec. cor. of sec. 28, heretofore described.</p> <p>Continue on the east and west center line, and on a blank line across lot 17, section 28</p>
21.71	<p>The point for the corner of lots 15 and 16, and on the western boundary of lot 17, section 28. I did not monument this corner point.</p> <p>Continue on the east and west center line, and between lots 15 and 16, section 28.</p>
28.40	<p>Intersect the reestablished (1961) left bank of the Colorado River. The point for the Special Meander Corner of section 28, heretofore described.</p>
14.84	<p>From the corner of lots 16 and 17, sec, 28, located on the east and west center line, heretofore described.</p> <p>N. 22° 46' 15" E., between lots 16 and 17, section 28</p> <p>The point for an Angle Point of lots 16 and 17, section 28</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., 25 ins. in the ground, with brass cap mkd.</p>
	<div style="text-align: center;">  <p>LOT 16 / LOT 17              S / 28              1972</p> </div>
	<p>Thence, on line between lots 16 and 17, along the arc of a curve, curve data:</p> <p>Chord bears N. 23° 36' 52" E.              Chord length 1.875 chs. distant              Radius 63.64 chs. distant              Length of arc 1.875 chs. distant</p> <p>At the end of the arc of the curve, the point for an Angle Point of lots 16 and 17, section 28</p> <p>Set an iron post, 28 ins. long, 2½ ins. in diam., 25 ins. in the ground, with brass cap mkd.</p>

Survey of a Portion of the Subdivision Lines  
 Within Section 28  
 Township 8 South, Range 24 West  
 Gila and Salt River Meridian, Arizona

CHAINS

LOT 16 / LOT 17  
 S / 28

1972

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N. 24° 27' 30" E., continue on line between lots 16 and 17, section 28

4.58 Intersect the east and west center line of the northeast quarter, the point for the corner of lots 15 and 16 and on the western boundary of lot 17, heretofore described.

Thence, between lots 15 (eastern boundary) and lot 17 (western boundary), section 28

9.30 Intersect the north and south center line of the northeast quarter, the corner of lots 15 and 17, section 28, heretofore described.

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From the corner of lots 17 and 18, section 28, located on the east and west center line, heretofore described.

N. 22° 46' 15" E., between lots 17 and 18, section 28

12.96 The point for an Angle Point of lots 17 and 18, section 28

Set an iron post, 28 ins. long. 2½ ins. in diam., with brass cap 5 ins. below the surface of the ground, mkd.

S / 28  
 LOT 17 / LOT 18

1972

There are no suitable accessories nor locations available for reference monuments.

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Thence, on line between lots 17 and 18, along the arc of a curve, curve data:

Chord bears N. 23° 12' 12" E.  
 Chord length 0.89-chain  
 Radius 59.09 chs. distant  
 Length of arc 0.89-chain

At the end of the arc of the curve, intersect the north and south center line of the northeast quarter, the corner of lots 17 and 18, section 28, heretofore described.

Survey of a Portion of the Subdivision Lines  
 Within Section 28  
 Township 8 South, Range 24 West  
 Gila and Salt River Meridian, Arizona

## CHAINS

From the corner of lots 18 and 19, section 28, located on the east and west center line, heretofore described.

N. 22° 46' 15" E., between lots 18 and 19, section 28

9.61

Intersect the north and south center line of the north-east quarter, the point for the corner of lots 18 and 19, section 28, heretofore described.

## GENERAL DESCRIPTION

The land area within this survey is nearly level. The soil is sandy clay loam where the land is under cultivation and sandy loam west of the Yuma Valley Levee. The vegetation west of the levee consists of scattering to dense cottonwood, willows, and French tamarisk; undergrowth arrow weed.

The Southern Pacific Railroad, Yuma Valley Levee, and the Cooper Lateral are situated within the area of this survey.



# United States Department of the Interior

9622.1 (D-401)  
Group No. 543,  
Arizona

BUREAU OF LAND MANAGEMENT  
DENVER SERVICE CENTER  
DENVER FEDERAL CENTER, BUILDING 50  
DENVER, COLORADO 80225

June 10, 1980

ARIZONA STATE OFFICE	
BU. LAND MANAGEMENT	
Mgr. PTC _____	
JUN 13 '80	
SD _____	
ASSOC. SD _____	
P&EC _____	
RESOU. DES. _____	
TECH. SER. _____	
MGM'T SER. _____	
PLD. AFF. _____	
EEO _____	
CF _____	
_____ ACTION	
_____ INFO	
_____ SEE ME	

Memorandum

To: SD, Arizona

From: Director, BLM

Subject: Plat Correction, T. 8 S., R. 24 W., G. & S.R.M., Arizona

It has come to our attention that Lot 9, sec. 28, was omitted from plat accepted January 21, 1980.

You are hereby directed to add the following notation to the Original and Triplicate Original plats on file in your office:

"For Lottings and Areas of the S 1/2 of Sec. 28, Refer to Previous Survey Plats."

The same notation will be placed on the Duplicate Original Plat on file in this office.

For the Director, BLM

Chief, Cadastral Survey  
Examination and Approval Staff

CERTIFICATE OF SURVEY

(I) (~~We~~), Ray Harpin, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 7th day of January, 1972, (~~I~~) (~~We~~) and Supplemental Special Instructions dated June 12, 1978, I have dependently resurveyed a portion of the subdivisional lines of the township and a portion of the subdivision lines within section 28, and surveyed a portion of the subdivision lines within section 28, fractional Township 8 South, Range 24 West,

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by (me), (~~us~~) and under (my) (~~our~~) direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

May 28, 1978  
(Date)

  
(Cadastral Surveyor)

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
~~Washington, D.C.~~

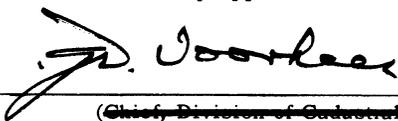
Denver, Colorado

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines of the township and a portion of the subdivision lines within section 28, and the survey of a portion of the subdivision lines within section 28, fractional Township 8 South, Range 24 West, of the Gila and Salt River Meridian, Arizona

executed by Ray Harpin, Cadastral Surveyor

having been critically examined and found correct, are hereby approved.

JAN 21 1980  
(Date)

  
(Chief, Division of Cadastral Survey)

Chief, Cadastral Survey Examination and Approval Staff  
CERTIFICATE OF TRANSCRIPT

I CERTIFY That the foregoing transcript of the field notes of the above-described surveys in, is a true copy of the original field notes.